

DOCKET NO.: FCI-2780/C2285B

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Richard A. Elco

Confirmation No.:

Application No.: Herewith

Group Art Unit: Not Yet Assigned

Filing Date: Herewith

Examiner: Not Yet Assigned

For: WAVEGUIDE AND BACKPLANE SYSTEMS

EXPRESS MAIL LABEL NO: EL 999293956 US
DATE OF DEPOSIT: February 18, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or

before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;
or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

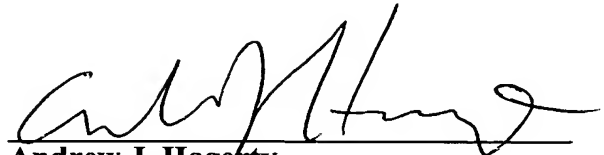
- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☐ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
 - ☒ Copies of references **1 thru 43** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/976,946**, filed **October 21, 2001**.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: February 18, 2004


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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. FCI-2780/C2285B	Application No. Herewith
	Applicant Richard A. Elco	
	Filing Date Herewith	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
1	Butterweck, H-J., "Mode Filters for Oversized Rectangular Waveguides", <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1968 , 16(5), 274-281	
2	Huang, J. et al., "Computer-Aided Design and Optimization of NRD-Guide Mode Suppressors", <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1996 , 44(6), 905-910	
3	Malherbe, J.A.G., "A Leaky-Wave Antenna in Nonradiative Dielectric Waveguide", <i>IEEE Transactions on Antennas and Propagation</i> , 1988 , 36(9), 1231-1235	
4	Markstein, H.W., "Ensuring Signal Integrity in Connectors, Cables and Backplanes", <i>Electronic Packaging and Production</i> , 1996 , 36(11), 61-69	
5	Markstein, H.W., "Impedances Dictate Backplane Design", <i>Electronic Packaging and Production</i> , 1993 , 33(12), 38-40	
6	Stevens, D. et al., "Microwave Characterization and Modeling of Multilayered Cofired Ceramic Waveguides", <i>International Journal of Microcircuits & Electronic Packaging</i> , 1999 , 22(1), 43-48	
7	Ubalov, V.V., "Slot Filter for H ₂ M , 0 Waves in a Multiwave Rectangular Waveguide", <i>Radio Engineering and Electronic Physics</i> , 1975 , 20(2), 129-131	
8	"Development of a Laminated Waveguide", <i>IEEE Transactions on Microwave Theory and Techniques</i> , December 1988 , 46(12), 2438-2443	
9	United States Statutory Invention Registration, Riley, et al., Registration No. H321, Published August 4, 1987	
10	EPO Communication and Partial European Search Report dated July 29, 2002 (EP 00 12 3315)	
EXAMINER		DATE CONSIDERED

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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	11	3,315,187	04/18/67	Tsuneo Nakahara, et al.	333	95
	12	3,686,590	08/22/72	Dischert	333	24.1
	13	3,784,938	01/08/74	Cuthbert, et al.	333	95
	14	4,001,733	01/04/77	Birch, et al.	333	24.1
	15	4,156,907	05/29/79	Rawlings, et al.	364	200
	16	4,200,930	04/29/80	Rawlings, et al.	364	200
	17	4,292,669	09/29/81	Wollum, et al.	364	200
	18	4,673,897	06/16/87	Chua, et al.	333	26
	19	4,818,963	04/04/89	Green	333	24.1
	20	4,862,186	08/29/89	Strider	343	776

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	21	DE 750 554	01/17/45	Germany		X
	22	DE 893 819	10/53	Germany		
	23	DE 1 275 649	08/68	Germany		
	24	EP 0 604 333 A1	06/29/94	EPO		X

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	25	4,587,651	05/06/86	Nelson, et al.	370	88
	26	4,777,657	10/11/88	Gillaspie	455	186
	27	4,970,522	11/13/90	Niman	342	374
	28	5,004,993	04/02/91	Reindel	333	208
	29	5,359,714	10/25/94	Avaneas	395	275
	30	5,363,464	11/08/94	Way, et al.	385	125
	31	5,416,492	05/16/95	Takahashi, et al.	343	771
	32	5,473,296	12/05/95	Ishikawa, et al.	333	239
	33	5,637,521	06/10/97	Rhodes, et al.	438	619
	34	5,818,385	10/06/98	Bartholomew	342	372

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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	35	5,825,268	10/20/98	Ishikawa, et al.	333	254
	36	5,861,782	01/19/99	Saitoh	333	239
	37	3,157,847	11/64	Williams	333	239
	38	5,986,527	11/99	Ishikawa, et al.	333	239
	39	6,281,769	08/01	Fredziusko	333	239
	40	5,929,728	07/99	Barnett, et al.	333	239
	41	4,800,350	01/89	Bridges, et al.	333	239
	42	4,677,404	06/87	Sequeira	333	239
	43	6,496,611 B1	12/17/02	Ohtsuka	382	11

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

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